

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
12 September 2003 (12.09.2003)

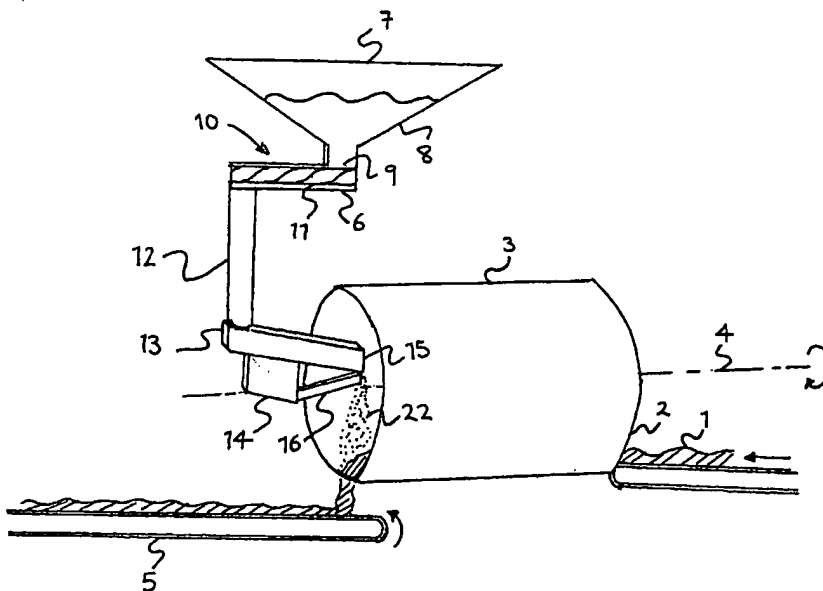
PCT

(10) International Publication Number  
**WO 03/073876 A1**

- (51) International Patent Classification<sup>7</sup>: **A23P 1/08, B05C 19/04**
- (21) International Application Number: **PCT/GB03/00802**
- (22) International Filing Date: **25 February 2003 (25.02.2003)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:  
**0204786.8**      **1 March 2002 (01.03.2002)**      **GB**
- (71) Applicant (for all designated States except US): **SPICE APPLICATION SYSTEMS LTD [GB/GB];** PO Box 1190, Oxford, Oxfordshire OX4 4GH (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **KING, Peter [GB/GB];** 15 Broadhurst Gardens, Sandford on Thames, Oxford, Oxfordshire OX4 4YQ (GB).
- (74) Agents: **MARKS & CLERK et al.;** Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford, Oxfordshire OX4 2RU (GB).
- (81) Designated States (*national*): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.**
- (84) Designated States (*regional*): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**
- Published:**  
— with international search report

[Continued on next page]

(54) Title: **PRODUCT COATING METHOD AND APPARATUS**



(57) Abstract: A method of coating a product (1), carried on a surface of a delivery mechanism (3), with a coating substance (8). The method comprises delivering the coating substance (8) to a location (15) above said surface carrying said product (1), and allowing the coating substance (8) to fall under gravity in the direction of said surface. During its fall, the coating substance (8) is subjected to at least one pressurised gas stream, and at least one electric field, whereby the falling coating substance (8) is both dispersed and charged.

WO 03/073876 A1